

20030923.qrp v03_n052.qrl.20030923

Date: Tue, 23 Sep 2003 19:03:04 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 3052

QRP-L Digest 3052

Topics covered in this issue include:

- 1) [158173] QRP Afield
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 2) [158174] Winter FOX Hunt Season
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 3) [158175] OT: Hyperdog Dog Trainer as antenna launcher?
by Brad Thompson <Brad.Thompson@valley.net>
- 4) [158176] Hawaii
by "Brent Sutphin WB4X" <bsutphin@triad.rr.com>
- 5) [158177] Fox - 40 mtr Fox Hunt Team Guidelines
by "Bruce & Bonnie Rattray" <rattray@accesscomm.ca>
- 6) [158178] Alaska FOX Hunt
by Jim Larsen <JimLarsen2002@alaska.net>
- 7) [158179] Hey Piggies, LL is on 7.044
by "Jerry Ford" <benlightnd13@mchsi.com>
- 8) [158180] Re: OT: Hyperdog Dog Trainer as antenna launcher?
by Thom LaCosta <baltimoremd@baltimoremd.com>
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by "Bob & Janet" <jbcraft@adelphia.net>
- 10) [158182] Re: Hawaii and Alaska - WB4X<--->AL7FS
by Jim Larsen <JimLarsen2002@alaska.net>
- 11) [158183] FOR SALE
by Michael Goins <mgoins@usa.net>
- 12) [158184] FOR SALE
by Michael Goins <mgoins@usa.net>
- 13) [158185] Re: OT: Hyperdog Dog Trainer as antenna launcher?
by Bruce Muscolino <w6toy@erols.com>
- 14) [158186] Re: SA612 parts?
by "Leon Heller" <leon_heller@hotmail.com>
- 15) [158187] Fw: Repost my items differently
by "Rod N0RC" <rod@n0rc.us>
- 16) [158188] Michigan QRP Net
by kwiike@gdls.com
- 17) [158189] QRP Afield
by "Doc - W5TB" <w5tb@arrl.net>
- 18) [158190] BLT and QEX Return Loss Test
by Chuck Carpenter <w5usj@9plus.net>
- 19) [158191] Re: SA612 parts?

- by M Taylor <mctylr@privacy.nb.ca>
- 20) [158192] Re: SA612 parts?
by Brian <brian@iquest.net>
- 21) [158193] Re: OT: Hyperdog Dog Trainer as antenna launcher?
by Brad Thompson <Brad.Thompson@valley.net>
- 22) [158194] Re: OT: Hyperdog Dog Trainer as antenna launcher?
by Steve.Lawrence@ITWFEG.COM
- 23) [158195] better antler launcher!
by Lloyd Lachow <llachow@yahoo.com>
- 24) [158196] QRP Afield 2003 & Misc (longish)
by "cal.jsi" <cal.jsi@verizon.net>
- 25) [158197] Re: better antler launcher!
by kizerian@xmission.com
- 26) [158198] FS: MFJ-259B HF/VHF SWR Analyzer
by Steve.Lawrence@ITWFEG.COM
- 27) [158199] see KX1 xcvr this weekend; new FAQ posted
by Wayne Burdick <n6kr@elecraft.com>
- 28) [158200] 2003 QRP A Horse Pasture
by "John Paul Keon" <jpkeon@nc.rr.com>
- 29) [158201] Re: QRP Afield
by "John Paul Keon" <jpkeon@nc.rr.com>
- 30) [158202] OLD Callsign lookups
by k8cz@att.net
- 31) [158203] dual band, trap "WYE" vertical
by Steven Weber <kd1jv@moose.ncia.net>
- 32) [158204] RE: OT: Hyperdog Dog Trainer as antenna launcher?
by "Nick Foster" <nfoster@bluefinrobotics.com>
- 33) [158205] RE: OT: Hyperdog Dog Trainer as antenna launcher?
by "Bob & Janet" <jbcraft@adelphia.net>
- 34) [158206] RE: see KX1 xcvr this weekend; new FAQ posted
by "terres family" <terresfm@adelphia.net>
- 35) [158207] Re: dual band, trap "WYE" vertical
by "Bill Rowlett" <kc4atu@hotmail.com>
- 36) [158208] I'D
by Terence J Shilhanek <tshilhanek@juno.com>
- 37) [158209] MSN and HTML
by Jim Eshleman <jce0@Lehigh.EDU>
- 38) [158210] Re: My MRX-40
by "Chetan Bhargava" <list3@bhargavaz.com>
- 39) [158211] KX1 and AT Sprint--brief comparison
by Wayne Burdick <n6kr@elecraft.com>

Date: Mon, 22 Sep 2003 18:22:59 -0700
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [158173] QRP Afield

Message-ID: <005901c38171\$39e45a20\$0400000a@wa5bdu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Or maybe it was QRP Atruck or Ahighway.

Went down to Little Rock for a hamfest and installed the IC-706 & screwdriver in/on the truck for the first time in a while. Hamfest was kinda dinky but OK.

After circling the handful of flea market tables like a shark circles a lifeboat for an hour or so, I hit the parking lot for a listen. Wasn't time for the 'test yet, so I answered a CQer on 7040. Funny how that power in your mind thing works. I gave the guy (a QRPer) a 559, he gave me a 579 fine copy, and I said I was running about 70 watts out but would soon turn it down for a contest coming up. When I selected the power control menu after the QSO I found that I was *already* at 5 watts.

After starting time, I worked one station on 20 before taking off, but there was a fair amount of line noise. Line noise on mobile? Guess there's no escape.

Started home, west on I-40 with traffic too brisk for any hamming. But then I hit this tremendous traffic line due to construction and I-40 becomes a parking lot. Turned on the CD player but the post-punk thrashing of Frank Black didn't soothe the savage beast, so I gave the rig a shot. Hey, I'd outrun the noise and things were sounding much better on 20. Managed a couple more QRP-A QSOs without rear-ending anyone before traffic started moving again. Nothing like a little mobile CW to prevent the onset of California Road Rage.

72 & beep-beep, I mean dit-dit,

Nick, WA5BDU

Date: Mon, 22 Sep 2003 19:56:58 -0500
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "Marshall Emm N1FN" <mgemm@mtechnologies.com>,
"Bruce Rattray " <rattray@gpfn.sk.ca>,
Subject: [158174] Winter FOX Hunt Season
Message-ID: <412003922305658606@earthlink.net>

MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

YES, plans are underway for the Winter FOX Hunt season! We will begin the third week of October 2003 (exact dates soon). Plan now to participate and invite fellow QRPers. I can hardly wait for it all to get underway.

Also....watch for the first call for FOXes. If you would be interested in serving this season, please respond *only* to that posting. Thanks :-)

73,
--Doc/K0EVZ for the FOX Committee

Date: Mon, 22 Sep 2003 21:26:54 -0400
From: Brad Thompson <Brad.Thompson@valley.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [158175] OT: Hyperdog Dog Trainer as antenna launcher?
Message-ID: <5.0.2.1.2.20030922210259.01b90610@pop3.norton.antivirus>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello--

A Northern Tool & Equipment catalog arrived in today's mail, and the rear cover shows a device called a "Hyperdog Dog Trainer" (*), which resembles a sling shot on steroids and according to the blurb, "...Launches tennis balls up to 220 feet!" [Emphasis in original]

Start with a dog. One shoots a tennis ball and one's dog goes and gets it, dropping the ball at its owner's feet (good dog!) According to the ad, "...Patented hands-free pick-up design means that you never have to touch the tennis balls to reload...."
Presumably, the tennis balls in question quickly get saturated with doggy saliva and become unappealing to the touch, although after watching dog owners clean up after

their pets (good owners!) it's unclear whether saliva is actually all that bad.

Okay... so has anyone in the group investigated using this gizmo as an antenna-support line launcher? I could envision mounting a spinning reel on the launcher, drilling a hole through a tennis ball, attaching the line from the reel to the ball, and effortlessly shooting line-carrying tennis balls across the tops of conveniently-located trees. My existing method of using a similarly-modified Wrist Rocket sling shot and rusty lug nuts has sprinkled hardware through the forest, along with an occasional high-altitude festoon of irretrievable line lofted amongst the branches.

At least a fluorescent yellow-green tennis ball would be easier to see when it gets hung up<g>.

The usual disclaimers apply-- I have no financial interest in the product or its producers, and no, I don't work for Northern.

73--

Brad AA1IP

(*) Northern catalog no. 1411, outside back cover, item 35510-1411, \$24.95 plus shipping fee for 3 pounds.

Date: Mon, 22 Sep 2003 21:37:00 -0400
From: "Brent Sutphin WB4X" <bsutphin@triad.rr.com>
To: <qrp-1@Lehigh.EDU>
Subject: [158176] Hawaii
Message-ID: <009901c38173\$2f402160\$9e6d1f18@BandE>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Are there any QRPers in Hawaii who would like to make a schedule with me. I need Hawaii for WAS. I'm located in North Carolina. If you are interested please contact me directly.

Thanks

Brent WB4X

Date: Mon, 22 Sep 2003 19:44:35 -0600
From: "Bruce & Bonnie Rattray" <rattray@accesscomm.ca>
To: "QRP-L QRP LIST" <qrp-l@Lehigh.EDU>
Cc: "Bruce Rattray" <rattray@gpfn.sk.ca>
Subject: [158177] Fox - 40 mtr Fox Hunt Team Guidelines
Message-ID: <001101c38174\$3ea695c0\$0c4f4818@accesscomm.ca>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello everyone!...here are the Team Guidelines for the Winter Fox Hunt which begins in October...when you have your Team of 5 stations formed, please send me an e-mail so I can include you on the Official Teams roster...your Team might be the next one to win the beautiful "Fox Hunt Team" plaque and/or the "Clean Sweep" plaque; both designed and created by Ken LaRose, VE3ELA.....

...when you have your Team chosen and ready for the Winter Fox Hunt, just e-mail me the Team name and each membe's first name plus call...Teams will be accepted up to just before the second hunt takes place...

...72 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272 A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK., S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"

.. .guidelines for 2003-2004 season...

- TEAM GUIDELINES for the 40 mtr FoxHunt -

The main idea of the Team competition, which is held as a part of the annual 40 mtr Fox Hunt, is to have FUN, post tall tales after each hunt (of course you can stretch the truth!... :-)) and enjoy another aspect of the pursuit of QRP!

- each Team will consist of 5 stations.

- obviously there will be times when some stations cannot make the fox hunt for various reasons...don't sweat it as that's the way the slippery seaweed sloshes...hihi...

- scoring for each Team is the total NUMBER OF PELTS SKINNED AND ON THE WALL by each Team hunter as indicated in the final fox logs.

- the winning Team will receive the 40 mtr Fox Hunt Team Plaque, which is sponsored by QRP-CANADA.

The Team plaque first appeared for the 1998-1999 fox hunt season.

Each member of the winning team(s) also receives a nice colorful certificate to frame and hang on their shack wall, from Mary, NA6E, of Cherry Graphics.

An additional plaque, generously sponsored by the KNIGHTLITES, made it's debut during the 1999-2000 season; the "Clean Sweep" plaque. It is awarded to the Team with the most "Clean Sweeps".

It is the responsibility of the previous year's winning Team to send the Plaques to the new Team winners. So far the plaque have been presented to the winning Team(s) at FIDM, at the Dayton Hamfest QRP gathering.

Ken La Rose, VE3ELA, creator of the Plaques, will engrave the new name plates and then send them to the new winners to be attached to the plaques.

"So it was said...so let it be done...

and don't forget...it's all for fun!"

- 72 - Bruce, ve5rc/ve5qrp

Date: Mon, 22 Sep 2003 17:49:55 -0800

From: Jim Larsen <JimLarsen2002@alaska.net>

To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>

Subject: [158178] Alaska FOX Hunt

Message-ID: <3F6FA6C3.8030301@alaska.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Transfer-Encoding: 7bit

The Alaska Hams are looking forward to the Alaska Fox Hunt with QRPers from Anchorage, Juneau, Kodiak, Eagle River, Soldotna, and maybe more on the air in the same two hour period. It could be a mess but it could be fun. We will spread out up and down the band on preassigned frequencies (+- QRM) and just do it.

This is going to be on 20 meters so now we are trying to second guess

propagation and time of day. We hope to lock in a date by the end of October.

73, Jim
Jim Larsen, AL7FS
Anchorage, Alaska
<http://www.qsl.net/al7fs>

Date: Mon, 22 Sep 2003 21:27:07 -0500
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-1" <qrp-1@lehigh.edu>, "FPigs" <fpqrp-1@mpna.com>
Subject: [158179] Hey Piggies, LL is on 7.044
Message-ID: <00d101c3817a\$30047ea0\$0077da0c@mchsi.com>

Sure would like to see him break 100 piggie Q's tonight.
You piggies that are hanging around with nothing to do, jump in there
and give this guy a shout.

72 es oo Jerry NOJRN

Howdy LL
FP # 546, ARS # 923, ARCI # 11049, ARRL,
Springfield, Mo. MP + #8

Date: Mon, 22 Sep 2003 22:45:47 -0400 (EDT)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: Brad Thompson <Brad.Thompson@valley.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [158180] Re: OT: Hyperdog Dog Trainer as antenna launcher?
Message-ID: <20030922224349.E71631-1000000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 22 Sep 2003, Brad Thompson wrote:

> Okay... so has anyone in the group investigated using this gizmo as an
> antenna-support line launcher?

Only if it's not saliva dependant....

>

> At least a fluorescent yellow-green tennis ball would be easier to see when

> it gets hung up<g>.

To say nothing of the moisture content.

Thom

baltimoremd@baltimoremd.com
http://www.baltimoremd.com/
http://www.baltimorehon.com/
http://www.zerobeat.net
http://www.tlchost.net

Thom LaCosta K3HRN Webmaster
Baltimore's Home Page
Home of the Baltimore Lexicon
Home of The QRP Web Ring and DrakeList
Web Hosting as low as \$3.49/month

Date: Mon, 22 Sep 2003 23:39:01 -0400
From: "Bob & Janet" <jbcraft@adelphia.net>
To: <Brad.Thompson@valley.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [158181] RE: Hyperdog Dog Trainer as antenna launcher?
Message-ID: <AGEJJBFLLPLHMOECFDINOCEMMDDAA.jbcraft@adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

hummm, interesting, do not need to TOUCH the ball to reload, appears to be "semi-automatic"... I still like the spud gun launcher that I built, even if it is a muzzleloader, single shot, and does require a ram rod to seat the projectile.

oo
Bob K8YS

Date: Mon, 22 Sep 2003 19:43:30 -0800
From: Jim Larsen <JimLarsen2002@alaska.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [158182] Re: Hawaii and Alaska - WB4X<--->AL7FS
Message-ID: <3F6FC162.3080009@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Brent and I surprised each other at 0032z today (9/23) when we made a short

2xQRP, K2 to K2 QSO. He had sent me an email a day earlier saying he was looking for AK and HI and asked what frequencies to check for Alaska stations.

I suggested we schedule instead from 0000z to 0200z with him calling on the hour and half hour.

At 0000z I heard not one station on 20 meter CW. No QSO NC to AK.

At 0032z there Brent was merrily calling me on 14.062. We quickly exchange RSTs and such and then he faded back out. Nice job Brent. We made it!!

I guess this means I could make more QSOs if I would just get on the air more often. It was fun to work Brent "just like that". :-)

Best wishes to my QRP friends.

73, Jim

--

Jim Larsen, AL7FS

Anchorage, Alaska

<http://www.qsl.net/al7fs>

Brent Sutphin WB4X wrote:

> Are there any QRPers in Hawaii who would like to make a schedule with me. I
> need Hawaii for WAS. I'm located in North Carolina. If you are interested
> please contact me directly.
>
> Thanks
> Brent WB4X

Date: Mon, 22 Sep 2003 22:56:15 -0500

From: Michael Goins <mgoins@usa.net>

To: <qrp-l@lehigh.edu>

Subject: [158183] FOR SALE

Message-ID: <561HiwD5P4960S03.1064289375@uwdvg003.cms.usa.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: quoted-printable

Just recently traded for another Sierra, so I have too many single band rigs at the moment. =

SW-20+, built 8/02, covers 14.035 to 14.063 right now. Looks new and work=
s
same. \$75.00 + \$3.50 shipping

SW-30+, partially built, with SWL cabinet and all parts. =
\$65.00 + \$3.50 shipping

Please reply off list. Thanks.

mike
k5wmg
=

Date: Mon, 22 Sep 2003 23:20:53 -0500
From: Michael Goins <mgoins@usa.net>
To: <qrp-1@lehigh.edu>
Subject: [158184] FOR SALE
Message-ID: <924Hiweu29776S18.1064290853@uwdvg018.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Logikit keyer CMOS 4 - built kit, just back from the service center for a=
checkup and all is fine. Has also had the power conservation mod done. T=
his
is an outstanding keyer. Selling only because of unexpected family expens=
e
problem. \$100 shipped

Please reply direct. Thanks.

mike
k5wmg

Date: Tue, 23 Sep 2003 00:26:13 -0400

From: Bruce Muscolino <w6toy@erols.com>
To: Brad.Thompson@valley.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [158185] Re: OT: Hyperdog Dog Trainer as antenna launcher?
Message-ID: <3F6FCB65.A605C0BE@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just what would you gain by this device over a Wrist Rocket slingshot except maybe stronger rubber bands and a yellow tennis ball? You negate its semiautomatic features by drilling a hole in the tennis ball and using a spinning reel on it. You aren't in danger of slobbering on the ball. I have a Whammo Wrist Rocket I have used for many years. My favorite projectiles are fishing line weights. I'm pretty sure you could paint them and use the Wrist Rocket! Saves money...

73

Date: Tue, 23 Sep 2003 07:48:33 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: mdc@oldboy.net, qrp-l@Lehigh.EDU
Subject: [158186] Re: SA612 parts?
Message-ID: <Law15-F3umMb81FhG7P0003173c@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: Michael Clark <mdc@oldboy.net>
>Reply-To: mdc@oldboy.net
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: SA612 parts?
>Date: 22 Sep 2003 17:22:24 -0400
>
>Have people been able to get these parts? I'm especially interested in
>the DIP package. Anyone have a few you'd part with??
>

Farnell has them in stock:.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 423947
Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller

Tired of 56k? Get a FREE BT Broadband connection
<http://www.msn.co.uk/specials/btbroadband>

Date: Tue, 23 Sep 2003 04:43:52 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Cc: "NORM KLIEMAN" <k9nk@msn.com>
Subject: [158187] Fw: Repost my items differently
Message-ID: <004a01c381bf\$950beff0\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Reposted for Norm, please contact him direct.

73, Rod N0RC

----- Original Message -----
From: "NORM KLIEMAN" <k9nk@msn.com>
To: "Rod N0RC" <rod@n0rc.us>
Sent: Monday, September 22, 2003 10:03 PM
Subject: Repost my items differently

FOR SALE

FT-817 with CW filter, original two antennas, mic, strap and manual.

Also included - Power Port FT-817 Portable Battery and Charger, Power Port FT-817 carrying bag,

extra mini-microphone and mini Radio Shack Power Supply --- All items are Mint - original owner -- hardly used.

Price: \$585 includes shipping to lower 48 states.

Contact: Norm K9NK k9nk@msn.com

Date: Tue, 23 Sep 2003 07:30:05 -0400
From: kwiki@gdls.com
To: qrp-1@Lehigh.EDU
Subject: [158188] Michigan QRP Net
Message-ID: <0FE06F6330.0DE20874-ON85256DAA.003F2259@gdls.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

We had good conditions last week and with Fall officially here the conditions should stay that way until Spring. We had two new check-ins last week. Welcome Mark and Roger.

	S	R	
W8IQB	579		BRISTOL MI LOWELL
WA8BXN	599	599	CLEVELAND OH MIKE
K8CV	599		ROYAL OAK MI WALT
WA8REI	579	599	FREELAND MI KEN
VE3JC	599	579	LONDON ON JOHN
W2SH	449	549	MILLINGTON NJ CHARLES
K8JRO	599	589	FLINT MI JERRY
KA8ONW	339	599	MASON MI MARK
KI8DU	559	569	WV ROGER

The Michigan QRP Net meets each Tuesday night at 9:00 PM Eastern time on 3.535 MHz. All hams are welcome.

Ed AB8DF Waterford, MI

Date: Tue, 23 Sep 2003 07:02:46 -0000
From: "Doc - W5TB" <w5tb@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [158189] QRP Afield
Message-ID: <001401c381a0\$b14a68a0\$0400a8c0@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Despite a number of chores scheduled for Saturday and less than stellar band condx it was just too pretty a day here in North Texas, so I slipped the QRP

jump kit into the truck and headed for my local park.

The kit contains K1 20/40 with built-in tuner and internal battery supply, key, headphones, small skyscan atomic clock, a BNC adaptor from radioshack which allows me to hook the antenna and counterpoise to the bnc power out on the K1, 85' W3EDP antenna with 17' counterpoise, 50' of camouflaged parachute cord, and a power cord for the K1 with Anderson Powerpole connectors. This all fits into a plastic 'ammo box' style container with a convenient handle on top and was supplemented with a 3.5 AH external battery with powerpole connectors as well as handy bag & sling, a water bottle, and a clipboard & pencil for logging.

The 85' wire is sure quick and easy to put up if trees are handy. Armed with the parachute cord and water bottle I completed putting up the antenna in about 5 minutes with a toss over a limb about 35' over the picnic table which handily sits between two 50 foot cottonwood trees for antenna support and shade. Once the antenna was pulled over the limb I tossed the water bottle and cord into a friendly tree to the east and had an inverted L ready to go at about 35' with the rig end run through a pre-drilled hole in the ammo box handle and looped once for safety before being connected to the rig (more on this later ;-). With the antenna up it was just a matter of setting up the K1 and voila - in well under 10 minutes W5TB was on the air.

As anyone who was there can tell you band condx were poor (K index was 4 all day with a peak to 5 about the time I began at 1926 and there was a lot of noise on the band to mask weak sigs) WQ4RP and K4BYF were worked quickly but then there were just no other sigs heard on 20 and the noise level was awful so I dropped down to 40 to hear my NORTEX QRP buddy Steve AA5TB blasting in with his mighty 470mw, and then very slowly worked two more fellows before returning to 20 where condx hadn't improved.

After a couple more QSOs I decided with this slow pace I had time and it appeared I could get the far end of the wire about 15' higher in that tree. I proceeded to untie the parachute cord and lower it for my second toss that did indeed place the antenna a good deal higher. Unfortunately, I had neglected to disconnect the rig from the antenna before I did this. With no cameraman along you'll just have to imagine the look on my face as I pulled the far end tight and then gazed with horror at the sight of my precious K1 dangling below the ammo box 4 feet over the table! Sloooooowly I let it back down and vowed to remind myself never to do that again ;-)

The added height didn't seem to help much but by going back and forth from 40 to 20 with a combination of S&P plus Cqing with the K1's nifty little memory keyer I steadily got calls into the log. It wouldn't seem like a contest without a call from John, K4BAI and Bob K4BP masquerading as K7RE. On 40 fellow Texas Tornadoes team members Bill, K5JHP and Chuck, W5USJ brought smiles because I could tell they were already 'thinking fox' and testing gear in perpetration for the upcoming winter foxhunts. The Colorado

tag team of N0RC and NK0E were 'discovered' along with a number of old and new friends. Oh and yes, I did manage to snag WQ1RP for those extra points!

It was a beautiful day - mostly sunny , in the low 80s, a pleasant breeze in the shade under the cottonwood trees, and no bugs. A real highlight was showing the rig to two curious young boys who thought this radio stuff was 'pretty cool' as I told them we were playing and at the same time improving our skills as communicators as a part of the homeland security plan (well come on, I'm a RACES member so it's not too much of a stretch - and what do you tell 'em?)

After two hours it was time to get back to those chores and it seemed I'd worked about everybody I was going to.

27 Q (counting WQ1RP as 3) X 18 SPC X 10 - 4860 points despite limited time and lousy band conditions. Thanks to the contest organizers and everybody who dropped in - it was a great day in the field!

72, 73, oo T.E. 'Doc' Drake, W5TB
Arlington, Texas
FISTS # 5365 QRPARCI # 3532 ARRL Life Member K1 #181 K2#1617
<http://www.qsl.net/w5tb>

Date: Tue, 23 Sep 2003 07:36:58 -0500
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-l@lehigh.edu, Rock-Mite_Group@yahoogroups.com
Subject: [158190] BLT and QEX Return Loss Test
Message-ID: <3.0.2.32.20030923073658.00833820@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Did a quick test on my slightly modified* BLT using the test procedure described by Frank Witt, AI1H, in the recent issue of QEX.

The tuner loss on 40, 30 and 20 meters was ~0.25 dB. See the notes below.

The test uses the return loss function of the MFJ-259B Analyzer. The measurement procedure is:

Adjust the tuner for a match with 50 Ohms
(259 maximum return loss =3D 48 dB)

With no adjustment changes,

Measure return loss with a 25 Ohm load =3D RL25

Measure return loss with a 100 Ohm load =3D RL100

Calculate dB with: Loss in dB =3D ((RL25 + RL100)/4) =96 4.77

During a trip to W5YRs QTH for QRP Afield, I compared the readings obtained with the 259 to George's AEA CIA-HF Analyzer. (The one he used for the measurements of his tuner described in a recent post). Considering measurement tolerances, the reading compared quite favorably. My loads measured 24.8, 49.1, and 98.5 Ohms. Precision resistors are on the way from Mouser and additional tests are planned.

*The BLT was modified with the low z link changed to 4 turns and an 82 pF cap connected across the input variable C1. This was done to accomodate my antennas and may not provide the same results for other antennas.

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, FP #601 oo <http://www.netxqrp.org>

Date: Tue, 23 Sep 2003 13:48:58 +0100
From: M Taylor <mctylr@privacy.nb.ca>
To: Michael Clark <mdc@oldboy.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [158191] Re: SA612 parts?
Message-ID: <20030923134858.A8743@pull.privacy.nb.ca>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Mon, Sep 22, 2003 at 05:22:24PM -0400, Michael Clark wrote:
> Have people been able to get these parts? I'm especially interested in
> the DIP package. Anyone have a few you'd part with??

\$1.20 USD in lots of 50 from Future Active (also operate in Canada)
SA612AN
<http://www.future-active.com/>

\$2.19 USD in 1's from Allied Electronics
SA612AN (236-1350)
<http://www.alliedelec.com/>

Date: Tue, 23 Sep 2003 07:58:18 -0500
From: Brian <brian@iquest.net>
To: "" <leon_heller@hotmail.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [158192] Re: SA612 parts?
Message-ID: <1064321898.3f70436a46ddd@webmail.iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

Diz has them in stock too...5 for \$10

<http://www.kitsandparts.com>

He's leaving for vacation this week though...so hurry.

73 de KB9BVN

Quoting Leon Heller <leon_heller@hotmail.com>:

>
> >From: Michael Clark <mdc@oldboy.net>
> >Reply-To: mdc@oldboy.net
> >To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> >Subject: SA612 parts?
> >Date: 22 Sep 2003 17:22:24 -0400
> >
> >Have people been able to get these parts? I'm especially interested in
> >the DIP package. Anyone have a few you'd part with??
> >
> >
> Farnell has them in stock:..
> >
> 73, Leon
> --
> Leon Heller, G1HSM Tel: +44 1424 423947
> Email:leon_heller@hotmail.com
> My web page: http://www.geocities.com/leon_heller
> >
> -----
> Tired of 56k? Get a FREE BT Broadband connection
> <http://www.msn.co.uk/specials/btbroadband>
> >
> >

Date: Tue, 23 Sep 2003 09:16:41 -0400
From: Brad Thompson <Brad.Thompson@valley.net>
To: Bruce Muscolino <w6toy@erols.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [158193] Re: OT: Hyperdog Dog Trainer as antenna launcher?
Message-ID: <5.0.2.1.2.20030923091027.02160250@pop3.norton.antivirus>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello--

Dunno about anyone else, but I salivate uncontrollably over the prospect of hanging a new antenna<g>.

On closer inspection of the photo, the "semiautomatic" loading feature consists of a couple of slanted rods attached to the assembly. You use the "loader" to scoop the saliva-loaded ball from the ground and tilt the launcher, which rolls the tennis ball to the launching area.

I too have used the Wrist Rocket method with some success, but the prospect of using a larger, more visible projectile sounds appealing.

73--

Brad AA1IP

At 12:26 AM 09/23/2003 -0400, Bruce Muscolino wrote:

>Just what would you gain by this device over a Wrist Rocket slingshot
>except maybe stronger rubber bands and a yellow tennis ball? You negate
>its semiautomatic features by drilling a hole in the tennis ball and
>using a spinning reel on it. You aren't in danger of slobbering on the
>ball. I have a Whammo Wrist Rocket I have used for many years. My
>favorite projectiles are fishing line weights. I'm pretty sure you
>could paint them and use the Wrist Rocket! Saves money...

>

>73

Date: Tue, 23 Sep 2003 10:27:57 -0400
From: Steve.Lawrence@ITWFEG.COM
To: Brad.Thompson@valley.net
Cc: qrp-l@Lehigh.EDU
Subject: [158194] Re: OT: Hyperdog Dog Trainer as antenna launcher?
Message-ID: <0FA42A4927.269D2E08-0N85256DAA.004EE56F-85256DAA.004F770D@itwfeg.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Brad,
I rember seeing in QRP Quarterly a few issues back, a compressed air
tennis ball launcher. Sort of a bazooka type affair, powered by
compressed air, capable of launching a tennis ball over the highest tree
with precision. The device is described here as well:

<http://www.qsl.net/wb6zqz/>

Steve
aa8af

Brad Thompson <Brad.Thompson@valley.net>
Sent by: owner-qrp-l@Lehigh.EDU
09/23/2003 09:16 AM
Please respond to Brad.Thompson

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
cc:
Subject: Re: OT: Hyperdog Dog Trainer as antenna launcher?

Hello--

Dunno about anyone else, but I salivate uncontrollably over the prospect
of
hanging
a new antenna<g>.

On closer inspection of the photo, the "semiautomatic" loading feature
consists of a
couple of slanted rods attached to the assembly. You use the "loader" to
scoop the

saliva-loaded ball from the ground and tilt the launcher, which rolls the tennis ball to the launching area.

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>ball. I have a Whammo Wrist Rocket I have used for many years. My
>favorite projectiles are fishing line weights. I'm pretty sure you
>could paint them and use the Wrist Rocket! Saves money...

>

>73

Date: Tue, 23 Sep 2003 07:36:42 -0700 (PDT)
From: Lloyd Lachow <llachow@yahoo.com>
To: a low-energy group <qrp-l@lehigh.edu>
Subject: [158195] better antler launcher!
Message-ID: <20030923143642.95612.qmail@web41003.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

<http://www.trebuchet.com/plans.html>

Do you Yahoo!?

Yahoo! SiteBuilder - Free, easy-to-use web site design software
<http://sitebuilder.yahoo.com>

Date: Tue, 23 Sep 2003 11:07:14 -0400

From: "cal.jsi" <cal.jsi@verizon.net>
To: "QRP-L" <qrp-l@Lehigh.edu>
Subject: [158196] QRP Afield 2003 & Misc (longish)
Message-ID: <000b01c381e4\$5f50e710\$fc53fea9@Sharon>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all,

Sorry for the late report on my QRP Afield activity, but just got home from my sister's place in Amherst, MA, from where I did my operating. On 40M only, I "amassed" 20 QSOs in 10 SPCs.

The rig was an Small Wonder Labs SW-40+ powered from a stack of 8 Alkaline D-cells. My antenna was a 40M, end-fed half-wave, and a Rainbow Tuner matched its feedpoint impedance to a nominal 50 Ohms. I also used a quarter-wave counterpoise. Conditions seemed pretty good, but, alas, activity was a bit sparse.

I'd figured that the D-cells, being old, would have to be replaced. These were marked with legends such as "best if used before the Harding Administration", or to be accurate instead of rhetorical, such dates as June 1999. However, they held up well, with the stack of 8 drooping only to about 11.5 Volts when I tuned the little rig (continuous carrier). The operating consisted of a couple of casual hours on the days before QRP Afield to which I devoted about 4 hours, with a good many CQs throughout. As I'd asked, my sister had picked up a new set of Alkaline D-cells in advance of my arrival; consequently she now has 8, new, spare D-cells.

I'd driven up to Amherst from Maryland with my niece, but flew back. I was worried about what the TSA screeners might make of the rig, the ATU, the keyer, my Te-Ne key, the battery pack, and my HTX-202, especially as I had a one-way ticket. The ticket, I think, got me extra scrutiny, and the screener wanted to know what was in the carry-on bag containing the radio gear. I told him it was amateur radio equipment and offered to either open the equipment up (for instance, I'd secured the cover on the SW-40+ with rubber bands) or turn it on. But he was happy with the response and told me to go ahead after rummaging through the bag for a bit. It probably helped that I was smiling, polite and at ease.

As an ultimate fall back, my niece had carted me down to Bradley, the Hartford, CT, airport. Had the TSA people had a problem with the gear, I would have given it to her to send back to me. My brother-in-law, who travels frequently with a laptop and probably other electronic items, puts everything electronic in a separate carry-on and has yet to have a problem. He thinks the TSA screeners are to be preferred to their private-sector predecessors.

Sorry for the length, but I thought the Alkaline D-cell experience, as well as what happened at the airport, might be of interest as well.

72/73

Cal Cotner K4JSI

Date: Tue, 23 Sep 2003 09:12:48 -0600
From: kizerian@xmission.com
To: llachow@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [158197] Re: better antler launcher!
Message-ID: <1064329968.3f7062f0e7d8c@webmail.xmission.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

I'm thinking maybe we should just launch the QRP operator into the next state with one of these. He could get perfect copy with the resultant eyeball QSO.

I think I'll go down stairs and melt some solder.

Bruce kk7zz

Quoting Lloyd Lachow <llachow@yahoo.com>:

> <http://www.trebuchet.com/plans.html>
>
> -----
> Do you Yahoo!?
> Yahoo! SiteBuilder - Free, easy-to-use web site design software
> <http://sitebuilder.yahoo.com>
>

Date: Tue, 23 Sep 2003 11:27:43 -0400
From: Steve.Lawrence@ITWFEG.COM
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [158198] FS: MFJ-259B HF/VHF SWR Analyzer
Message-ID: <0F2C79BE7F.6812F227-0N85256DAA.0005FD82-85256DAA.0054EF96@itwfeg.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

I have an MFJ-259B HF/VHF SWR Analyzer available for \$150 shipped, complete with instructions and original box. Condition is "excellent".

This is an early 259B unit, firmware version 1.01 (c) 1997, purchased new 4 - 5 years ago. As such, it's principal measurement modes are as follows:

- 1.) Frequency, SWR, and SWR bargraph
- 2.) Frequency, SWR, and Impedance (magnitude)
- 3.) Frequency counter (with gate times of 1s, .1s, .01s, and 'auto')

Frequency range is 1.8 - 170MHz. Two analog meters display SWR and Impedance, in addition to the 2 line LCD alpha/numeric display. Other controls include: frequency range switch; tune control; power, mode and gate buttons; a low impedance antenna connector and high impedance frequency counter input.

It is missing the 'advanced' modes of the current production 259B units, probably a function of more recent firmware. However, I do not know if the firmware is upgradable (don't purchase from me on a hope it is!).

Never the less as it stands, it is immensely useful for measuring resonance/SWR of antenna systems, setting up tuners, adjusting antenna matching systems, determining velocity factor of transmission lines, general purpose frequency counter, and more. The unit is portable and battery operated so it can be used on mobile installations as well as up on the tower. The analog meters (not found on some competitive units) make it easy to detect a dip in SWR as you sweep a frequency range. If you are not familiar with analyzers of this type, all the measurements are done from the unit -- no transmitter, receiver, or independant SWR meter needed! An instrument like this is almost a must for antenna experimentation!

Please contact me off list if interested.

73,
Steve
aa8af

Date: Tue, 23 Sep 2003 08:42:07 -0700
From: Wayne Burdick <n6kr@elecraft.com>
To: Elecraft <elecraft@mailman.qth.net>, qrp <qrp-1@lehigh.edu>
Subject: [158199] see KX1 xcvr this weekend; new FAQ posted
Message-ID: <3F7069CD.ADE6B827@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'll have the KX1 with me at the next NorCal (AmQRP) meeting in Pleasanton, CA (October 5th), starting at about 11 AM. If you're around, please stop by for a hands-on demo. I'd love to get some feedback on the latest firmware changes. (For example, all KX1 features including the menu can now be accessed via audio CW, allowing operation with the display turned off. Optimizing an audio interface requires a lot of testing and feedback from users.)

We've also just updated the KX1 FAQ and data sheet (both are posted at <http://www.elecrafter.com/KX1/KX1.htm>).

I'd like to thank everyone who has sent us comments or suggestions on the KX1. Some of the ideas have resulted in improvements to the firmware.

73,
Wayne
N6KR

--

<http://www.elecrafter.com>

Date: Tue, 23 Sep 2003 11:54:21 -0400
From: "John Paul Keon" <jpkeon@nc.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [158200] 2003 QRP A Horse Pasture
Message-ID: <00e801c381ea\$f5392840\$6501a8c0@nc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well Gang,
I had a wonderful time and I think the rest of the group I spent it with did too. The Knightlites came through even after a major hurricane.
We were originally going up to Black Balsam Knob on the Blue Ridge Parkway to set up and try out some Moxon Technology and prove or disprove a point of order about the way antennas radiated.
ISABEL came in with a fury and hurt several million people in several states. She put us on a hold and we had to go to plan C. Plan B was to just call it a good try and not do the TTF this year. However, we all got together and said we would do it anyway. Up to the last few hours we were not sure we could pull it off and then we did anyway.

Paul/AA4XX finally got power at his house and we went to his horse farm and set up in a pasture where he has his antenna farm. We got an early start on Saturday morning and set up some more antennas and then we got a little bit of a late start. We were allotted several slots for WQ1RP and operated in our time slots and as they finished we changed to WQ4RP and we did our own calls too.

So some of you who asked why WQ1RP and WQ4RP sounded so much alike; well, we were the same ops at those positions and we only switched bands every couple hours. In between setting up tents, getting the grill ready, cooking steaks, and eating we also put up a couple new antennas and did a lot of sweating.

I will let the others post their logs but I worked 8 in my first hour on 20M and then 37 in the next two hour block. I found the CQ method a lot more productive and even did the SnP method for a while. I just could not hold a frequency for the life of me with some stations coming in and calling.....

There was even one station who came in and asked if it was QRL? and I said yes, and then he sent CQ and I moved again.....

It was fun anyway, being the one being sought, and I gave out all the pts I could to all I could hear. I even heard some and called them to get the WQ1RP call out to them.

I have seen some posts that said the propagation was not there. At times I agreed with that. Stations would come in strong and then just slide away. It was strange. I was on 20 meters most of the time and worked some 40 and I expected that one to be more wide open than it was. When I got that slot it was usually a little slower and then we put up a vertical loop in addition to the delta loops we had up and that helped some. It is always nice to see the antennas make a difference.

I put the 15 meter Black Widow Beam up about 12 feet on a painters pole and we used it for SSB and made quite a few contacts on that one.

John put up a Buddipole and it did not seem to get as many as we thought it would. John can explain that problem. It was not the antenna.

Late we got the 80 M band open and worked some there.

After the contest ended we had a wonderful new treat. John/N3DRK brought along a nice telescope and we saw some stars, galaxies, and planets. It was a real good end to a wonderful day. Good food, good companionship, lots of shared stories, a complete solar station (a first for us) and several new and different antennas. We learned, we shared and we started planning for the next events.

We will do better, get smaller with some things and bigger with others. We

operated with (2) K-2's, (1) Sierra, (1) Argonaut and a wide assortment of antennas. It was the first time we have done a group outing in 10 times that we did not get rain. It was wonderful.

We were WQ1RP, WQ4RP, AA4XX/Paul, AB4PP/JohnPaul, N3DRK/John, N4HAY/Dick and KC4WCD/Harry. Laddie/Paul's dog was also there to ward off the bears and demons. We will try to post all the pictures we took too so we can show and tell a lil later.

John Paul, Raleigh, NC // AB4PP

Date: Tue, 23 Sep 2003 12:51:50 -0400
From: "John Paul Keon" <jpkeon@nc.rr.com>
To: <jsielke@pobox.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [158201] Re: QRP Afield
Message-ID: <019501c381f2\$fd0c0d00\$6501a8c0@nc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

John,
I was sending 5W on WQ1RP because when I sent my number 617, some questioned a dupe, cause I was using it for WQ4RP and AB4PP..... have to figure that one out for next year. I will have to get a number for the club calls too.
You had a great sig in NC at WQ1RP too. We had the ears and we had a great time. CU in the next test.....
de ab4pp 72's

John Paul, Raleigh, NC [AB4PP]//NNN UTV
<http://www.knightlites.org>
"We all take different paths in life, but no matter where we go, we take a little of each other everywhere."
----- Original Message -----
From: "John Sielke" <jsielke@pobox.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, September 20, 2003 4:57 PM
Subject: QRP Afield

Just hung it up after about 5 hours. Couldn't find anybody I hadn't worked on
40 or 20.

Conditions as usual.....

Great fun though, at a picnic table next to the water, with the SD20 pole holding up the Norcal 44' doublet. K1 worked well.

Glad to work N0RC, and especially nice to work VE3JC/Bicycle Mobile!

Made only 30 QSOs, down from other years. I think I wore out the memory keyer
calling CQ! Did get WQ1RP...in NC!

Very few (like maybe 2) other stations giving NEQRP numbers. Even WQ1RP sent 5W!

Fun...glad it's not over, as we will have the Saturday "Spartan Sprint to the Field" mini Field tests to look forward to each month...that was a GREAT idea!

John W2AGN

Date: Tue, 23 Sep 2003 17:37:23 +0000
From: k8cz@att.net
To: fpqrp-l@mpna.com (The Pigs!)
Subject: [158202] OLD Callsign lookups
Message-ID: <200309231737.h8NHbOwk023792@rain.CC.Lehigh.EDU>

Hi All,

I need some help with finding the issue date of my prior call KI8CZ. I held this call from mid 1997 until Dec of 1998. If anyone has a copy of QRZ or any of the other callbooks from the fall of 1997 until late 1998 could you please do me a favor and provide me with the issue date of KI8CZ.

Please respond off list to keep the QRM to a minimum.

--
73,72, 00
FP #41 NJQRP #338 Fists #2360

ARCI #9606 SOC #336 Norcal ARRL
Hamilton, Ohio EM79ri
Tom, K8CZ

Date: Tue, 23 Sep 2003 13:44:30 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@lehigh.edu
Subject: [158203] dual band, trap "WYE" vertical
Message-ID: <3.0.6.32.20030923134430.007dd100@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Up here in the "Great Northern Forest", the woods tend to be pretty thick. Trying to string up a dipole is frustrating, as too many tree limbs get in the way. Even an inverted V can be a challenge. The simplest solution would seem to be one form or another of an end feed wire. But I'd just as soon use a "no tune" antenna and ideally, cover 40 and 20 meters.

I've had reasonably good luck with a 20 M "Wye" vertical. This is a three wire antenna, which looks like an inverted "Y". One vertical wire and two radials, all 1/4 wave. The feed point is elevated 4-6 feet off the ground so the wires are spaced about 120 degrees to each other.

So, I got to thinking, how about making a dual band 40/20 version using traps? I already had some 40/20 trap dipole elements made up, so I made a third leg last night and hung it up by head lamp in the dark. (good practice). The "Tenna Dipper" showed a dip at the right place on both 40 and 20, so hooked up a rig and checked the SWR. Sure enough, pretty close to 1:1 on both 40 and 20. Good deal. I think this will work!

Here's the details:

20M element : 15 feet, 8 inches
40M element : 13 feet, 6 inches
trap: 24 turns on T37-2 core, 47 pfd silver mica cap

I mounted the trap to a small piece of fiberglass epoxie pcb with the copper removed. A 1/8" hole drilled on each end of the board, with the antenna wire looped through it once, provides strain relief. Coated the trap with "liquid rubber" to weather proof it. I used the feed line from the N2CX "Gussher" antenna for expediency.

If possible, tune the trap to resonate at about 14.1 MHz. Some pruning of the wire lengths might be needed, especially the "radials" due to ground loading. Prune the 20 meter section first, then the 40 meter section.

Ideally, you want the vertical section as vertical as one can get it and the feed point a good 6-7 feet off the ground. That means the top of the vertical wire needs to be nearly 40 feet up. If you need to pull the last few to 10 feet of wire over the top of the tree or limb, that shouldn't matter too much, but there will be a little null in the direction the wire runs off. It may be possible to add a loading coil above the trap to make the 40 M section shorter, but I'm not sure that's worth it or not.

We'll give this antenna a field trial this weekend, if the Wx cooperates.

72,

Steve, KD1JV

"Melt Solder"

White Mountains of New Hampshire

<http://www.qsl.net/kd1jv/>

Date: Tue, 23 Sep 2003 14:54:26 -0400

From: "Nick Foster" <nfooster@bluefinrobotics.com>

To: <qrp-1@lehigh.edu>

Subject: [158204] RE: OT: Hyperdog Dog Trainer as antenna launcher?

Message-ID: <000001c38204\$1c356fd0\$ed00a8c0@PECKERHEAD>

MIME-Version: 1.0

Content-Type: text/plain;
charset="US-ASCII"

Content-Transfer-Encoding: 7bit

Slightly more OT but still relevant, I built a spudgun in high school (not that long ago!) that used a SCUBA tank as a pressure source -- 150PSI at the LP side of the first-stage regulator. Used to put a potato through 1/2" plywood, and we measured the exit velocity of the potato at just over 200MPH. We didn't need a solenoid valve as the WB6ZQZ article uses.

Granted, it's hard to carry a SCUBA tank around with you, but when you're lofting antennas into redwoods...

--nick

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Steve.Lawrence@ITWFEG.COM

Sent: Tuesday, September 23, 2003 9:28 AM

To: Low Power Amateur Radio Discussion

Subject: Re: OT: Hyperdog Dog Trainer as antenna launcher?

Brad,

I rember seeing in QRP Quarterly a few issues back, a compressed air tennis ball launcher. Sort of a bazooka type affair, powered by compressed air, capable of launching a tennis ball over the highest tree

with precision. The device is described here as well:

<http://www.qsl.net/wb6zqz/>

Steve
aa8af

Brad Thompson <Brad.Thompson@valley.net>
Sent by: owner-qrp-l@Lehigh.EDU
09/23/2003 09:16 AM
Please respond to Brad.Thompson

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
cc:
Subject: Re: OT: Hyperdog Dog Trainer as antenna
launcher?

Hello--

Dunno about anyone else, but I salivate uncontrollably over the prospect of hanging a new antenna<g>.

On closer inspection of the photo, the "semiautomatic" loading feature consists of a couple of slanted rods attached to the assembly. You use the "loader" to scoop the saliva-loaded ball from the ground and tilt the launcher, which rolls the tennis ball to the launching area.

I too have used the Wrist Rocket method with some success, but the prospect of using a larger,

more visible projectile sounds appealing.

73--

Brad AA1IP

At 12:26 AM 09/23/2003 -0400, Bruce Muscolino wrote:

>Just what would you gain by this device over a Wrist Rocket slingshot

>except maybe stronger rubber bands and a yellow tennis ball? You

negate

>its semiautomatic features by drilling a hole in the tennis ball and

>using a spinning reel on it. You aren't in danger of slobbering on the

>ball. I have a Whammo Wrist Rocket I have used for many years. My

>favorite projectiles are fishing line weights. I'm pretty sure you

>could paint them and use the Wrist Rocket! Saves money...

>

>73

Date: Tue, 23 Sep 2003 15:59:03 -0400

From: "Bob & Janet" <jbcraft@adelphia.net>

To: <nfooster@bluefinrobotics.com>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [158205] RE: OT: Hyperdog Dog Trainer as antenna launcher?

Message-ID: <AGEJJBFLPLHMOECFDINOEEOMDDAA.jbcraft@adelphia.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

was the tater FROZEN?

I have heard of FROZEN taters punching holes in plywood.

Still, it is easier to tate a can of propellant (AKA hair spray) than a SCUBA tank.

oo

Bob K8YS

Date: Tue, 23 Sep 2003 16:30:34 -0400
From: "terres family" <terresfm@adelphia.net>
To: <n6kr@elecraft.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [158206] RE: see KX1 xcvr this weekend; new FAQ posted
Message-ID: <000001c38211\$8aaffc70\$0200a8c0@amdxp2100>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

>see KX1 xcvr this weekend; new FAQ posted

Actually, in the rig comparison section, I'd like to see the AT Sprint included.

jerry terres aa1of

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.518 / Virus Database: 316 - Release Date: 9/11/2003

Date: Tue, 23 Sep 2003 20:39:07 +0000
From: "Bill Rowlett" <kc4atu@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [158207] Re: dual band, trap "WYE" vertical
Message-ID: <Law15-F18XeQZp8083V000187e4@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Lets see, cut two radials for 20 and two for 40 and hang for permanent use at the home QTH. Should do real well, just a modified ground plane. I do like two for the price of one.

Looking forward to the report on its use.

73, Bill kc4atu

>From: Steven Weber <kd1jv@moose.ncia.net>
>Reply-To: kd1jv@moose.ncia.net
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: dual band, trap "WYE" vertical
>Date: Tue, 23 Sep 2003 13:44:30 -0400
>
>Up here in the "Great Northern Forest", the woods tend to be pretty thick.
>Trying to string up a dipole is frustrating, as too many tree limbs get in
>the way. Even an inverted V can be a challenge. The simplest solution would
>seem to be one form or another of an end feed wire. But I'd just as soon
>use a "no tune" antenna and ideally, cover 40 and 20 meters.
>
>I've had reasonably good luck with a 20 M "Wye" vertical. This is a three
>wire antenna, which looks like an inverted "Y". One vertical wire and two
>radials, all 1/4 wave. The feed point is elevated 4-6 feet off the ground
>so the wires are spaced about 120 degrees to each other.
>
>So, I got to thinking, how about making a dual band 40/20 version using
>traps? I already had some 40/20 trap dipole elements made up, so I made a
>third leg last night and hung it up by head lamp in the dark. (good
>practice). The "Tenna Dipper" showed a dip at the right place on both 40
>and 20, so hooked up a rig and checked the SWR. Sure enough, pretty close
>to 1:1 on both 40 and 20. Good deal. I think this will work!
>
>Here's the details:
>
>20M element : 15 feet, 8 inches
>40M element : 13 feet, 6 inches
>trap: 24 turns on T37-2 core, 47 pfd silver mica cap
>
>I mounted the trap to a small piece of fiberglass epoxie pcb with the
>copper removed. A 1/8" hole drilled on each end of the board, with the
>antenna wire looped through it once, provides strain relief. Coated the
>trap with "liquid rubber" to weather proof it. I used the feed line from
>the N2CX "Gussher" antenna for expediency.
>
>If possible, tune the trap to resonate at about 14.1 MHz. Some pruning of
>the wire lengths might be needed, especially the "radials" due to ground
>loading. Prune the 20 meter section first, then the 40 meter section.
>
>Ideally, you want the vertical section as vertical as one can get it and
>the feed point a good 6-7 feet off the ground. That means the top of the
>vertical wire needs to be nearly 40 feet up. If you need to pull the last
>few to 10 feet of wire over the top of the tree or limb, that shouldn't
>matter too much, but there will be a little null in the direction the wire
>runs off. It may be possible to add a loading coil above the trap to make
>the 40 M section shorter, but I'm not sure that's worth it or not.
>

>We'll give this antenna a field trial this weekend, if the Wx cooperates.
>72,
>Steve, KD1JV
>"Melt Solder"
>White Mountains of New Hampshire
><http://www.qsl.net/kd1jv/>

Get MSN 8 Dial-up Internet Service FREE for one month. Limited time offer--
sign up now! <http://join.msn.com/?page=dept/dialup>

Date: Tue, 23 Sep 2003 16:30:41 -0500
From: Terence J Shilhanek <tshilhanek@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [158208] I'D
Message-ID: <20030923.163042.-1010303.0.tshilhanek@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I am thinking of buying the IC-703 and was wondering
if anyone has had any experience with this rig and how it
compares with the K2 and other QRP rigs.
Terry W0PFR

Date: Tue, 23 Sep 2003 17:41:11 -0400
From: Jim Eshleman <jce0@Lehigh.EDU>
To: qrp-l@Lehigh.EDU
Subject: [158209] MSN and HTML
Message-ID: <3F70BDF7.60404@Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Gang,

Anybody know how to turn-off the sending of HTML with MSN and make it
send plain text? Specifically this one claims to be "MSN Explorer
7.02.0011.2700". TIA

73
Jim N3VXI

Date: Tue, 23 Sep 2003 15:23:49 -0700
From: "Chetan Bhargava" <list3@bhargavaz.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [158210] Re: My MRX-40
Message-ID: <016201c38221\$62d12070\$2701a8c0@chetan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All,

After I made this page my hard drive crashed and I had no backup of this
page :-(

Does anyone of you have it in browser cache? or might have saved it?

73,

Chetan Bhargava KG6NFG
www.bhargavaz.net

> Hi,
>
> Many months ago I was looking for a simple receiver to build and QRP-L
users
> suggested MRX-40. I built this nice receiver and it works great. Here are
> the pictures of my version.
>
> <http://www.bhargavaz.net/mrx40>

Date: Tue, 23 Sep 2003 15:41:09 -0700
From: Wayne Burdick <n6kr@elecraft.com>
To: terres family <terresfm@adelphia.net>
Cc: qrp-l@lehigh.edu
Subject: [158211] KX1 and AT Sprint--brief comparison
Message-ID: <3F70CC04.A248FA01@elecraft.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jerry, AA10F wrote:

> ...in the rig comparison section, I'd like to see the AT Sprint included.

Thanks for the suggestion, Jerry.

The Sprint appears to be a well-designed miniature transceiver, which is not surprising considering Steve Weber's other great work. If I can find complete specs on it, I'll be happy to add it to the table. It doesn't appear to be listed on Steve's home page at this time.

I think the two rigs are vastly different, but a comparison would be worthwhile since they both cover 20, 30, and 40 meters and are intended for backpacking.

The Sprint is a lot smaller, and is a board-only kit so the builder can choose their own enclosure. By using a minimum of controls, plug-in band modules, and nearly all surface-mount parts, Steve was able to fit it into an Altoids tin. Assuming the operator kept other needed equipment similarly light-weight (battery, ATU, keyer paddle, antenna system), this approach could yield a very light-weight backpacking station.

The KX1 kit, by contrast, uses all through-hole parts (except for three parts which are pre-installed), for ease of assembly. It's also larger than the Sprint: about 1.25 x 3 x 5 inches. Still, this is quite small for a QRP transceiver. It's just 10% larger than an SST, and 25% smaller than a DSW-XX, even though both of these rigs are monobanders. (The KX1 weighs 9 oz. With batteries and all options installed, it's 13 oz. An entire KX1 station can weigh just 24 oz., counting the antenna system and fanny pack.)

The size of the KX1's enclosure was not based on the size of its PC board, and we wouldn't have made it smaller even if we had used surface-mount parts. Instead, the size was selected to optimize field usability. It allows for a front-mounted keyer paddle and top-mounted ("trail-friendly") controls. These include a large VFO knob with integrated pushbutton switch, 3-digit display, 5 switches, and pots for RF GAIN, crystal filter bandwidth, and AF GAIN. Making it any smaller or using traditional front-facing controls would have made it more difficult to operate.

Another major difference is that the KX1 can be configured as a fully-integrated station, which can be very convenient for field use. It includes an internal ATU, internal batteries, 3-digit display (as well as an audio-Morse-code user interface), plug-in keyer paddle, and a white LED log-book lamp. It also has lots of firmware features thanks to the larger microcontroller (16F876A): 9 frequency memories, USB and LSB receive on all bands, wide SWL band coverage,

programmable "instant WWV" hot key, S-meter and battery display modes, programmable LOW BATTERY warning threshold, Iambic modes A and B, SWR and power metering (with ATU installed), etc. While none of these features are actually *required* for field operation, they can really come in handy.

A minor point that may have escaped notice is that the KX1 draws less current in receive mode: about 33 mA (no signal) vs. 50 mA for the Sprint. Also, despite the Sprint's use of a class-E final amplifier stage (vs. class C for the KX1), the two draw about the same amount of current on transmit at 4 watts. We used an SWR-protected class C final that requires a minimum number of low-pass filter components and has efficiency of around 65-75%, which is very similar to that posted for the Sprint by Monty, N5ESE. (I'd be curious to find out whether this is typical, since in theory one should be able to obtain 80-90% efficiency with class E. Even so, this would add only minimally to battery life considering overall T/R duty cycles of 10-20%.)

Once the KX1 starts shipping (late October), I'm sure that some less-biased opinions than mine will be posted ;)

73,
Wayne
N6KR

www.elecrcraft.com

End of QRP-L Digest 3052
